ABSTRACT

The present invention relates to fullerene carbon nanotubes having a cylindrical wall comprising a double layer of carbon atoms and methods for the production and application of these double-wall carbon nanotubes; and, more particularly, to nanotubes with controlled number of carbon layers and methods for the production of macroscopic amounts of these nanotubes and there application as cathode materials in the cold field electron emission devices, notable such devices comprising light emitting CRT's.